

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
YASUO MORI ET AL. )  
Application No.: NYA; Divisional )  
of A.N. 09/123,365 )  
Filed: Herewith )  
For: PRINT LAYOUT DEVICE, )  
PRINT LAYOUT METHOD, )  
AND STORAGE MEDIUM )  
Examiner: M. Wallerson  
Group Art Unit: 2622  
May 23, 2001

The Commissioner of Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT  
AND INFORMATION DISCLOSURE STATEMENT

Sir:

Preliminary to examination, please amend the above-identified divisional application, filed herewith, as follows:

IN THE CLAIMS

Please cancel Claims 2-57 without prejudice or disclaimer of subject matter.

Please amend Claim 1, and add Claims 58-66, to read as follows (a version of these claims, marked to show changes, is appended):

1. (Amended) A print layout device for providing a layout for a recording sheet and generating print data to be printed, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a data-resizer adapted to re-size input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print data generator adapted to generate print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizer,

wherein said margin setter is capable of setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizer performs a process for arranging the re-sized input data on the printable area based on the binding margin.

58. (New) A print layout device for providing a layout for a recording sheet and generating print data to be printed, said print layout device comprising:

margin setting means, for setting a margin for a sheet;

data-resizing means for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizing means,

wherein said margin setting means is also for setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizing means is also for performing a process for arranging the re-sized input data on the printable area based on the binding margin.

59. (New) A print layout method for providing a layout for a recording sheet and generating print data to be printed, said print layout method comprising the steps of:

setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein said margin setting step includes setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizing step includes performing a process for arranging the re-sized input data on the printable area based on the binding margin.

60. (New) A print layout program for providing a layout for a recording sheet and generating print data to be printed, said print layout program comprising:

program code for setting a margin for a sheet;

program code for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and

program code for generating print data to be printed by a physical page unit, based on the input data re-sized by execution of said program code for data re-sizing,

wherein said program code for margin setting also effects setting of a binding margin adjacent to the center line in a sheet for a bookbinding and said program code for data re-sizing also effects performing a process for arranging the re-sized input data on the printable area based on the binding margin.

61. (New) A memory medium storing computer executable instructions for performing a print layout method for providing a layout for a recording sheet and generating print data to be printed, said print layout method comprising the steps of:

setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein said margin setting step includes setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizing step includes performing a process for arranging the re-sized input data on the printable area based on the binding margin.

62. (New) A print layout device for providing a layout for a recording sheet and generating print data to be printed, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a data-resizer adapted to re-size input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print data generator adapted to generate print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizer,

wherein, when the input data for a plurality of pages should be printed on one sheet, said data re-resizer performs a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

63. (New) A print layout device for providing a layout for a recording sheet and generating print data to be printed, said print layout device comprising:

margin setting means for setting a margin for a sheet;

data-resizing means for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizing means,

wherein, when the input data for a plurality of pages should be printed on one sheet, said data re-resizing means is also for performing a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

64. (New) A print layout method for providing a layout for a recording sheet and generating print data to be printed, said print layout method comprising the steps of:

setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein, when the input data for a plurality of pages should be printed on one sheet, said data re-resizing step includes performing a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

65. (New) A print layout program for providing a layout for a recording sheet and generating print data to be printed, said print layout program comprising:

program code for setting a margin for a sheet;

program code for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and



program code for generating print data to be printed by a physical page unit, based on the input data re-sized by execution of said program code for data re-sizing,

wherein, when the input data for a plurality of pages should be printed on one sheet, said program code for data re-resizing also effects a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

66. (New) A memory medium storing computer executable instructions for performing a print layout method for providing a layout for a recording sheet and generating print data to be printed, said print layout method comprising the steps of:

setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein, when the input data for a plurality of pages should be printed on one sheet, said data re-

resizing step includes performing a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

#### REMARKS

Claims 1 and 58-66 are presented for examination. Claim 1 has been amended, and Claims 58-66 having been added, to assure Applicants of a full measure of protection of the scope to which they deem themselves entitled. Claims 2-57 have been cancelled without prejudice or disclaimer.

All the claims are independent.

Applicants respectfully request favorable consideration and early passage to issue of the present divisional application.

#### INFORMATION DISCLOSURE STATEMENT

In view of MPEP § 609, Applicants understand that the Examiner will review the file of parent Application No. 09/123,365, and the art contained or of record therein, and that no new copies of such art are required to be submitted, except for documents cited by Applicant and no copies of which were submitted by Applicant previously. Copies of the latter documents are submitted herewith, and a new form PTO-1449 is submitted herewith for the Examiner's

convenience; should the Examiner deem new copies of any other of the art of record in the parent application to be necessary, such will gladly be supplied, on request.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

CONCLUSION

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

  
Attorney for Applicants

Registration No. 29 296

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200  
NY MAIN 121559v3

**VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS**

1. (Amended) A print layout device for providing a layout for a recording sheet and generating print data to be printed, said print layout device comprising:

[setting means for setting a margin for a sheet;

determination means for ascertaining the size of a printable area based on said margin that is set;

enlargement/reductions means for enlarging or reducing area to be printed in consonance with said printable area; and

layout means for providing a layout for said margin for said sheet and for said data to be printed that are enlarged or reduced, and for employing said layout to control the printing]

a margin setter adapted to set a margin for a sheet;

a data-resizer adapted to re-size input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print data generator adapted to generate  
print data to be printed by a physical page unit, based on  
the input data re-sized by said data re-sizer,  
wherein said margin setter is capable of  
setting a binding margin adjacent to the center line in a  
sheet for a bookbinding and said data re-sizer performs a  
process for arranging the re-sized input data on the  
printable area based on the binding margin.

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margin setting means, for setting a margin for a sheet;

data-resizing means for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setting means; and

generating means for generating print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizing means,

wherein said margin setting means is also for setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizing means is also for performing a process for arranging the re-sized input data on the printable area based on the binding margin.

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setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein said margin setting step includes setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizing step includes performing a process for arranging the re-sized input data on the printable area based on the binding margin.

60. (New) A print layout program for providing a layout for a recording sheet and generating print data to be printed, said print layout program comprising:

program code for setting a margin for a sheet;

program code for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and

program code for generating print data to be printed by a physical page unit, based on the input data re-sized by execution of said program code for data re-sizing,

wherein said program code for margin setting also effects setting of a binding margin adjacent to the center line in a sheet for a bookbinding and said program code for data re-sizing also effects performing a process for arranging the re-sized input data on the printable area based on the binding margin.

61. (New) A memory medium storing computer executable instructions for performing a print layout method for providing a layout for a recording sheet and generating

print data to be printed, said print layout method comprising the steps of:

setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein said margin setting step includes setting a binding margin adjacent to the center line in a sheet for a bookbinding and said data re-sizing step includes performing a process for arranging the re-sized input data on the printable area based on the binding margin.

62. (New) A print layout device for providing a layout for a recording sheet and generating print data to be printed, said print layout device comprising:

a margin setter adapted to set a margin for a sheet;

a data-resizer adapted to re-size input data based on a print request in each logical page, which is an



input data area, in consonance with a printable area of a physical page obtained based on the margin set by said margin setter; and

a print data generator adapted to generate print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizer,

wherein, when the input data for a plurality of pages should be printed on one sheet, said data re-resizer performs a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

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margin setting means for setting a margin for a sheet;

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generating means for generating print data to be printed by a physical page unit, based on the input data re-sized by said data re-sizing means,

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generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

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re-sized input data for the plurality of pages such that the input data are centered on the printable area.

65. (New) A print layout program for providing a layout for a recording sheet and generating print data to be printed, said print layout program comprising:

program code for setting a margin for a sheet;

program code for re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set by execution of said program code for margin setting; and

program code for generating print data to be printed by a physical page unit, based on the input data re-sized by execution of said program code for data re-sizing,

wherein, when the input data for a plurality of pages should be printed on one sheet, said program code for data re-resizing also effects a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.

66. (New) A memory medium storing computer executable instructions for performing a print layout method

for providing a layout for a recording sheet and generating print data to be printed, said print layout method comprising the steps of:

setting a margin for a sheet;

re-sizing input data based on a print request in each logical page, which is an input data area, in consonance with a printable area of a physical page obtained based on the margin set in said margin setting step; and

generating print data to be printed by a physical page unit, based on the input data re-sized in said data re-sizing step,

wherein, when the input data for a plurality of pages should be printed on one sheet, said data re-sizing step includes performing a process for arranging the re-sized input data for the plurality of pages such that the input data are centered on the printable area.--.